

Abd El Madjid Kahoul

Constantine, Algeria  +213 658 63 99 17  abdelmadjid.kahoul@hotmail.com  LinkedIn  GitHub

Professional Summary

Software Engineering & Intelligent Systems graduate with hands-on experience in telecom, ERP, AI, and full-stack development. Skilled in designing, developing, and deploying scalable solutions using Python, Java, JavaScript, and modern frameworks. Strong foundation in AI innovation, problem-solving, and collaborative teamwork, with a track record of delivering impactful academic and professional projects.

Education

Master's in Software Engineering & Intelligent Systems <i>University of Constantine 2</i>	2023 – 2025 <i>Top Class B</i>
Bachelor's in Software Engineering <i>University of Constantine 2</i>	2020 – 2023 <i>Class A</i>
Baccalaureate in Experimental Sciences <i>Kateb Yacine High School</i>	2019 – 2020 <i>Mention Bien</i>

Experience

AI Developer Intern – Ooredoo Algeria <i>Constantine, Algeria</i>	Apr 2025 – Jul 2025
– Contributed to RAVA AI platform for LTE anomaly detection. – Processed KPI datasets, implemented ML/DL models. – Collaborated with telecom teams for seamless integration.	
Full-Stack Developer Intern – Create DZ <i>Constantine, Algeria</i>	Jul 2024 – Sep 2024
– Developed ERP modules with React.js, Django, MySQL. – Participated in requirement analysis and feature development.	
Backend Developer Intern – University of Constantine 2 <i>Constantine, Algeria</i>	Sep 2023 – Dec 2023
– Created laboratory management application for Rector's office.	

Projects & Achievements

RAVA – AI Anomaly Detection in RAN <i>Ooredoo Algeria</i>	2025
– AI platform for detecting anomalies in LTE KPIs. – Python, TensorFlow, Django, React, PostgreSQL.	
Assurini – Mobile Car Insurance <i>Mini Project</i>	Apr 2024
– Mobile app for insurance requests, claims, and payments. – Java, Android Studio, Firebase.	
Walmart Store Sales Forecasting <i>Mini Project</i>	Dec 2023
– Data processing, model selection, sales prediction, dashboard visualization. – Python (NumPy, Pandas, Scikit-learn), Flask, HTML, CSS.	
RegisterCom – Company Registration <i>Mini Project</i>	Dec 2023
– Mobile app for registration request tracking and notifications. – Java, Android Studio, Firebase.	
SecureAuth – Biometric Authentication <i>Mini Project</i>	Jun 2023
– Facial, voice, and fingerprint recognition authentication. – Python, Kivy, OpenCV, SOCOFing dataset.	
QuickLab – AI-Driven Lab Management <i>Bachelor Final Project</i>	Feb 2023 – Jun 2023

- Secure lab operations management web platform.
- MySQL, HTML, CSS, JavaScript, Django.

Thread Ball – Java-Based Concurrent Football Simulation

Jan 2023

Personal Project

- Built a multithreaded football simulation with each player as an independent thread, using semaphores for ball possession control.
- Added scoring logic, GUI interaction, and random movement to simulate real-time gameplay.
- Technologies: Java, Threads, Semaphores, Swing.

E-learning Website

Jan 2023

Mini Project

- MVC-based e-learning platform.
- MySQL, HTML, CSS, JavaScript, Java (Servlets).

Certifications

- AWS Cloud Practitioner (Foundational) – AWS (2024)
- TCF French – Level B2

Skills

- **Programming:** Python, Java, JavaScript, SQL, HTML5, CSS3
- **Frameworks & Tools:** Django, Flask, React, Bootstrap, Git, Jira , Figma
- **Databases:** MySQL, PostgreSQL, Oracle, Firebase
- **AI & Data:** NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow , OpenCV
- **Soft Skills:** Leadership, Problem-Solving, Teamwork, Communication, Adaptability

References

- **Belguidom Meriem** – Professor, University of Constantine 2
- **Fayçel Chelghoum** – Radio Planning Engineer, Ooredoo Algeria